

WATER ABSORBING RESIN COMPOSITION

Patent Number: JP58183754
Publication date: 1983-10-27
Inventor(s): TANAKA KENJI; others: 03
Applicant(s): SANYO KASEI KOGYO KK
Requested Patent: ☐ JP58183754
Application Number: JP19820066133 19820420
Priority Number(s):
IPC Classification: C08L101/00 ; A41B13/02 ; A61F13/00 ; C08K5/05
EC Classification:
Equivalents: JP1696522C, JP3062745B

Abstract

PURPOSE: A resin composition, prepared by incorporating a powdery water-insoluble and water absorbing resin with a specific amount of a polyhydric alcohol, and capable of promoting the uniform permeation of water and exhibiting a remarkably high water absorption rate.

CONSTITUTION: A water absorbing resin composition prepared by incorporating (A) a powdery water-insoluble and water absorbing resin, e.g. a water-insoluble hydrophilic crosslinked polymer obtained by polymerizing a water-soluble monomer and/or a monomer made soluble in water by the hydrolysis, a polysaccharide and a crosslinking agent, and if necessary hydrolyzing the resultant polymer with (B) 0.001-5wt%, preferably 0.01-2wt%, based on the component (A), bi-octavalent polyhydric alcohol and/or oxyalkylene ether thereof, preferably bi-trivalent for the former and bi-tetravalent for the latter. Ethylene glycol, propylene glycol, glycerol and an ethylene oxide (EO) or propylene oxide (PO) adduct thereof having $\leq 2,000$ cP viscosity at 25 deg.C is preferably used as the component (B).

Data supplied from the esp@cenet database - 12